

F1G.

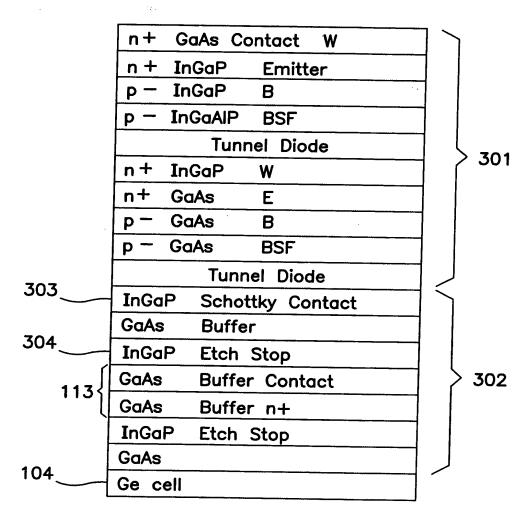


FIG. 3

Appl. No. 10/773,343 Art Unit 1753

REPLACEMENT SHEET

| | _ 100 | |
|-----------------------------|---------|-----|
| | | |
| n+Ga As Contact | ĺ | |
| n + InGaP | | |
| p - InGaP | | |
| p - InGaAIP | | |
| Tunnel Diode | | |
| n+ InGaP | | |
| n + GaAs | | |
| p - GaAs | | |
| p - GaAs | | |
| <u> </u> | | |
| Tunnel Diode InGaP Schottky | 011 | 403 |
| InGaP Schottky GaAs Buffer | Contact | |
| | | |
| | | ` |
| GaAs Buffer Co | | 113 |
| GaAs Buffer n-1 | | J |
| InGaP Etch Stop |) | |
| GaAs | | |
| Ge cell | | |

FIG. 4

Appl. No. 10/773,343 Art Unit 1753

REPLACEMENT SHEET

| | | | | | | | | | | | 113 | | | | | | 104 |
|-------------------|-------------------|-------------|-----------------|--------------|------------|------------|--|--------------|--------------|------------------------|-------------|-----------------|---------------------|----------------|-----------------|------|---------|
| | | | | | | | יים אינויים אי | 502 | | InGap | GaAs | InGaP | GaAs | GaAs | InGaP ES | 1 | Э |
| n+ GaAs Contact W | n + InGaP Emitter | p - InGaP B | p - InGaAIP BSF | Tunnel Diode | n+ InGaP W | n + GaAs E | p – GaAs B | p - GaAs BSF | Tunnel Diode | InGaP Schottky Contact | GaAs Buffer | InGaP Etch Stop | GaAs Buffer Contact | GaAs Buffer n+ | InGaP Etch Stop | GaAs | Ge cell |

FIG. 5